Qty:

5 Um:

Each

: TUBE ASSEMBLY

UNDER REVIEW 6V

: D2003017

: 3/28/2008

: N/A .

· B

Thursday, 3/13/2008 10:17:25 AM

Uşer:

Kim Johnston

**Process Sheet** 

**Drawing Name** 

Part Number

Material

**Due Date** 

**Drawing Number** 

Project Number

**Drawing Revision** 

Customer

: CU-DAR001 Dart Helicopters Services

S.O. No. :

Job Number

: 37909

Type

**Estimate Number** 

: 11917

P.O. Number

This Issue

: 3/13/2008

Prsht Rev. First Issue : NC

: 11

: 29931

Previous Run

Written By

Checked & Approved By

Comment

Re-format EC

: SMALL /MED FAB

: Est 00.01.12

Additional Product

Job Number:



Seq. #:..,

to Various

प्रकार कर्ने असिन्ध

Machine Or Operation:

Description: 6061-T6 Tube .375 x.035W

ana : i1.0ad

M6061T6T0375W035

als assur Comment: Qty.:

1.4219 f(s)/Unit Total : 7.1096 f(s)

Cut as per template D2003-017 (16.25" long)

Material:3/8"Æ x 0.035" wall 6061-T6 tubing

Batch: 7/03763

Cut: 17.0" long as per Dwg D2003 Material: M2650-6 Heat sleeve

Batch: M106781 K3 FF 08-03-19 Freth

FF 08-03-19

2.0

M26506

Firesleeve-crkl 375IDia



்ரார்ந்தார் Comment: Qty.: 1.4200 f(s)/Unit

Total:

7.1000 f(s)

Firesleeve-crkl .375IDia



3.0

D2182045

Heat Shrink 4.5" Long



Comment: Qty.:

1.0000 Each(s)/Unit

Total :

5.0000 Each(s)

Page 1

Qty

Pick:

1 D2182-045

Part Number Description Heat shrink Batch

4.0

MS208196D

Comment: Qty.:

2.0000 Each(s)/Unit

Total :

10.0000 Each(s)

Sleeve

Pick:

Form: mrocess

<b>Dart</b>	Aer	ospa	ce	Ltd
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W/O:		WORK ORDER CHANGES										
DATE	STEP	PROCEDURE CHANGE	By Date Qty Approval Chief Eng / Prod Mgr QC Inspector									
		en e										
-		<del> </del>										
Part No:		PAR #: Fault Category:	NCR: Yes (No) DQA: Date: 02/03/00									

QA: N/C Closed: \_\_\_\_ Date:

	V	WORK ORDER NON-CONFORMANCE (NCR)									
1	Description of NC		Corrective Action Section B		Varification	Approval Chief Eng	Approval				
STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C		Approval QC Inspector				
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			<i>(</i> *								
			·								
	STEP	STED Description of NC	STEP Description of NC Section A Initial	STEP Description of NC Section A Initial Chief Eng Corrective Action Section B Initial Chief Eng Chief Eng	STEP Description of NC Section A Chief Eng Chi	STEP Description of NC Section A Corrective Action Section B Sign & Date Verification Section C Section C	STEP Description of NC Section A Description Section B Sign & Date Position Chief Eng				

NOTE: Date & initial all entries

Thursday, 3/13/2008 10:17:25 AM Date: User: Kim Johnston **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services Drawing Name: TUBE ASSEMBLY Part Number: D2003017 Job Number: 37909 Job Number: Description: Seq. #: Machine Or Operation: Description Batch Qty Part Number FF 08-03-19 MS20819-6D Sleeve 5.0 AN8186D Comment: Qty.: 2.0000 Each(s)/Unit Total: 10.0000 Each(s) Nut Pick: Part Number Description Qty 2 AN818-6D gr, y 6.0., SMALL FAB Comment: SMALL & MEDIUM FAB RESOURCE 1 Form tube as per template D2003-017 Assemble as per Dwg D2003 08-03-1 INSPECT WORK TO CURRENT STEP ``7.0 QC5 WORK TO CURRENT STEP 8.0 PACKAGING 1 PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: FINAL INSPECTION/W/O RELEASE QC21 9.0 Comment: FINAL INSPECTION/W/O RELEASE Job Completion

Form: rorocess

Page 2

## **Dart Aerospace Ltd**

W/O:				WORK ORDER CHANGES							
DATE	STEP		PROC	EDURE CHANGE	·				Approval Chief Eng / Prod Mgr	Approval QC Inspector	
:											
		,									
Part No	):	P/	AR #:	Fault Category:		NCR: Yes	No DQ	A:	Date: _		

QA: N/C Closed: \_\_\_\_ Date: \_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)										
		Description of NC		Corrective Action Section B		Vorification						
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspecto				
			,									
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NOTE: Date & initial all entries





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DESIG	4)		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHEC	KEP	APPROVED	DRAWING NO. REV. B
4	10	1 47	D2003 SHEET 1 OF 2
DATE	,		TITLE SCALE
99.0	06.08		206 CABIN HEATER TUBE ASSEMBLIES NTS
Α		90.04.09	NEW ISSUE
В		99.06.08	UPDATE PER TEMPLATES; ADD P/N'S; 0.025 TUBING NOW 0.035 (TSR1049)

RELEASED Anoway RED

UNDER REVIEW Some flat cc. 08.21 CB lengths wrong

108.03.19

(Siden) alord												
P/N	TEMPLATE	HEATSLEEVE LENGTH <sup>1</sup>	CUT LENGTH OF TUBE	MS20819-8J SLEEVE	AN818-8J NUT	MS20819-8D SLEEVE	AN818-8D NUT	MS20819-6D SLEEVE	AN818-6D NUT	DESC.	MATERIAL <sup>4/8/7</sup>	VENDOR OR SPEC
D2003-001	T2003-001	5.2	6.00			<u> </u>		2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-003	T2003-003	7.3	8.12					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-005	T2003-005	9.8	10.62					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-007	T2003-007	20.0	19.63					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-009	T2003-009	12.38	12.44					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-011	T2003-011	33.31	32.38					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-013	T2003-013	12.7	13.54					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-015	T2003-015	17.2	18.00					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-017	T2003-017	17.0	16.25					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-019	T2003-019	9.8	10.62			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-021	T2003-021	N/A	2.25			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-023	T2003-023	4.5	5.33			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-025	T2003-025	9.8	10,60			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-027	T2003-027	7.25	7.38			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-029	T2003-029	17.2	18.00			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-700/6
D2003-031	T2003-031	14.6	15.38	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-033	T2003-033	29.75	29.62	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-035	T2003-035	24.7	27.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-037	T2003-037	24.81	23.38	2	2	-				TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-039	T2003-039	34.0	34.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-041	T2003-041	6.0	5.88	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-043	T2003-043	11.7	10.75	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-045	T2003-045	3.50	2.44	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-047	T2003-047	5.56	5.56	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-049	T2003-049	33.2	34.00	2	2					TUBE ASS'Y	CRES 0.500 OD x 0.035 W	AISI 304
D2003-077	T2003-077	N/A	6.25					1	1	JET JET	6061-T6 0.375 OD x 0.035 W	WW-T-700/6
D2003-101	T2003-101	13.25	13.13					2	2	TUBE ASS'Y	6061-T6 0.375 QD x 0.035 W	WW-T-600/6
D2003-101	T2003-101	12.38	12.00	-				2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-105	T2003-105	10.75	10.60					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-103	T2003-103	12.75	12.25					2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	WW-T-600/6
D2003-107	T2003-107	8.25	8.125			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6
D2003-103	T2003-103	4.75	4.625			2	2			TUBE ASS'Y	6061-T6 0.500 OD x 0.035 W	WW-T-600/6
D2003-111	T2003-111	4.0	7.020							HEATSLEEVE	M2650-20 CRINKLE-SOFT	STRATOFLEX
D2003-110	T2003-110	4.0		$\dashv$						HEATSLEEVE	M2650-16 CRINKLE-SOFT	STRATOFLEX
D2003-120	T2003-120	4.0								HEATSLEEVE	M2650-14 CRINKLE-SOFT	STRATOFLEX
D2003-14	T2003-14	4.0								HEATSLEEVE	M2650-14 CRINKLE-SOFT	
D2003-16	T2003-16	9.75	9.60					2	2			STRATOFLEX
D2003-203	T2003-203	3.75	3.75		·	<del></del>		2	2	TUBE ASS'Y	6061-T6 0.375 OD x 0.035 W	NAW T 700/6
02003-201	12000-201	3.75	3.75						-4	TUBE ASS'Y	6061-T6 0.375 OD x 0.035,W	∴ RWW-T-700/6
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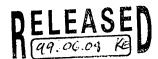
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CHECKED	APPANOVED	DRAWING NO.				REV.	В
4-6	14	D2003			SHEET	2 OF	2
DATE	· · · · · · · · · · · · · · · · · · ·	TITLE				SCA	LE
99.06.08		206 CABIN	HEATER	TUBE	<b>ASSEMBLIE</b>	SN	TS



OG.08. 21 (B) 08.03.19 Some Plat lengths

## Notes:

- (1) USE STRATOFLEX M2650-6 CRINKLE-SOFT HEATSLEEVE.
- (2) TUBING ASSEMBLIES TO BE CUT AND BENT IN ACCORDANCE WITH TEMPLATES.
- (3) TUBES TO BE FLARED 30° TO MATE WITH FITTINGS MADE TO MS33514.
- (4) ENSURE SEAMLESS TUBING IS USED.
- (5) INSTALL HEATSLEEVE OVER ALL TUBES WITH A DESIGNATED LENGTH OF HEATSLEEVE PER THE PARTS LIST.
- (6) 5052 (WW-T-700/4) TUBING MAY BE SUBSTITUTED WHEN 6061 TUBING IS NOT AVAILABLE.
- (7) 0.049 WALL THICKNESS CRES TUBING MAY BE SUBSTITUTED WHEN 0.035 IS NOT AVAILABLE.
- (8) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.

